BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer

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NAME OF WORK: Construction of Compound wall, Staircase and other Works to Ward office in ward no-13 in Shettyhalli Sub Division.

Sl. No	Description of work	Unit	Qty	Tender Rate	
				In Figures (Rs.)	In Words (Rs.)
1	3	4	2	5	6
1	Earthwork excavation for foundation of buildings, water supply, sanitary, lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in ordinary soil not exceeding 1.5m. in depth including dressing the bottom and and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications.	cum	243.16		
2	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with lead upto 50m. and lift upto 1.5m complete as per specifications.	Cum	20.76		
3	Providing and filling in foundation with granite / trap broken metal 100mm.and down size, with approved sand including hand packing, ramming, watering including cost of materials, and labour with all lead and lift.complete as per specifications.	Cum	31.14		
4	Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery' curing complete as per specifications.	Cum	58.80		
5	Providing and constructing granite / trap / basalt size stone masonry in foundation in cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	66.83		
6	Providing and laying in position plain cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for RCC works lead in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to with stand pumping of concrete, with all lead and lifte etc. complete as per specifications.	cum	42.22		

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7	Providing and laying in position reinforced cement concrete of mix M15 with OPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms.thick, vibrated for all works in foundation plinth and ground floor level for roofs slabs, staircase, lintels, retaining walls,return walls, walls (any thickness) including attached plasters, columns,piers,abutments, pillars, posts, struts, buttresses, sstring or lacing courses, parapets, coping, bed blocks, anchor blocks,plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery' curing complete as per specifications.	Cum	8.70		
8	Filling available excavated earth (excluding rock) in sides of foundations up to plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead up to 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.	Cum	124.56		
9	Providing flush pointimg to aquare rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after rakingjoints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	164.20		
10	Dismantling weather proof course and removing and conveying the debries to a distance upto 200m.	Cum	4.83		
11	Providing constucting burnt brick masonry with approved quality of moudular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications	Cum	12.74		
12	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.46cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specification.	cum	22.02		

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13	Pr iding T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Qtl	22.02		
14	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200mm including cost of all materials, labour complete as per specifications.	Sqm	168.60		
15	Providing and laying in position reinforced cement concrete of design mix M-20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @ 0.5865 cum and fine aggregates @ 0.391cum, with superplastisiser @ 0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level including cost of all materials, labour, HOM of machinery, curing, complete as per specification.	Sqm	2.88		
16	Providing Matti / Nandi wood frames of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.	Cum	0.377		
17	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thickwith bottom and lock rails, 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour charges, HOM of machineries complete as per specifications.	Sqm	2.20		
18	Providing and fixing in position Honne wood fully panelled shutters for Windows with Honne wood styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of materials, labour charges, HOM of machineries complete as per specifications.	Sqm	4.32		

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19	Providing and fixing M.S. grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.	Kgs	90.72		
20	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	57.92		
21	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	30.47		
22	Providing Lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	88.39		
23	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	88.39		
24	Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	417.42		
25	Providing white washing to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.	Sqm	417.42		
26	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	417.42		

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27	Providing and fixing special make glazed vetrified tiles (Granomite finish) approved make quality and colour of size 600 X600x10mm thick fixed on existing flooring with aspecial roffe adhesive for flooring and skirting etc., complete including providing pears at required interval and removing stains etc.complete as per specifications.	Sqm	73.30		
28	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application, (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/aqm of cement admixed with proprietary water proofing compound confirming to IS: 2645 over the RCC slab after cleaning the surface before treatment (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50%of cement mortar 1:5 admixed with proprietary water proofing compound confirming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary waterproofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of of alls and slabs. (c) After two days of proper curing, applying a second cost of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour, complete as per specifications.	Sqm	27.09		
29	Applying priming coat over new wood surface and /or wood based surface with white led paint priming including preparing the surface after thoroughly clining oil, grease, dirt and foreign matter, sand preparing and knotting ready mix paint including cost of materials, labour complete as per specifications.	Sqm	16.96		
30	Providing and applying enamel metal paint two coats (excluding priming coat) over new wood and / or wood based surface with enamel paint to give an even shade cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.	Sqm	16.96		

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31	Pr ıding and fixing on wall surface 4.0kg/ sq.cm H.D.P.E. rain down water pipes 110mm outter dia approved make and brand with nccessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, sccrews, including cost of materials, labour, complete as per specifications.	Rmtr	20.00		
32	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavatedstuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	Cum	185.40		
33	Providing and constructing precast concrete solid blocks with compressive strength not less than 35kg/ Sqm with cement mortar 1:4 masnory (quoin, jamb, closer, blocks) with solid blocks of size 40x20x20cms conforming to IS 2185/1965 in superstructure including cost of materials, labour charges, scalolding, curing complete as per specifications.	Sqm	151.20		
34	Earthwork excavation (in deposited soil) and filling sides of foundation upto plinth in layers not exceeding 20 cms.in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications.	Cum	481.41		
35	Providing skirting, dado, rises of steps with Colour glazed tiles 30x45 cms 6mm thick with border of size 30x10 cms. 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of roughplastered surface which should be measured and paid separately)using glazed tiles of approved make and size including cost of materials, labour complete as per specifications.	Sqm	19.31		
36	Providing precast chequered mosic tiles light shade using white cement for steps and flooring, 20mm thick, using marble chips of 7 to 10 nominal size laid in floors, steps and landings on a bed of 12mm thick cement mortar 1:3 mix, and jointed with neat cement slurry mixed with pigment to match the shade of tiles curing, rubbing, polishing, oxalic acid wash, wax polish, including cost of materials, labour, complete as per specifications.	Sqm	12.60		

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No 7 Cornelias-ovil

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37	Providing and laying reinforced cement precast slabs of mix 1:1.5:3 using 20mm and down size graded granite metal using HYSD 10mm dia steel at 100mm C/C both wase and complete as per specifications.	Sqm	85.20		
38	Fabricating, providing and erecting in position of Hot dip galvanised M.S Ornamental security Grill using 75x12mm M.S Flat for alround frame work with verticals at the centre and horizontal centre support M.S Square of 20x20mm of different heights as shown in the drawing are to be fixed at 16cms C/C for square bars of full height and at 8 cms C/C for bottom rods providing ornamental C.I Designers at the bottom and C.I arrows in the midle and top. the entire frame work is to be fixed by means of expansion bolts to the brick pillarswith necessary drilling holes. the work includes providing two coats of enamel painting over one coats of red lead ready mix primer coat etc complete cost of all labour, painting, erection chages using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion of the work as per specification.	Kgs	195.00		
39	Disposal of debries to the final place of disposal with all lead and lift and as direction by the engineer incharge of the work, lead 10km (a) Basic rate for Haulage of material as per item no.17.4/ KSRB:-M100-4.1..... Rs 2.00 tonne per km (b) Average earth of work 1.28 tonne per km for Rs.2.00 per km (c) Add loading and unloading item no.17.1 KSRB M 100-1 Rs.62.20	Cum	416.00		
40	Providing and fixing chlorinated poly Venyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete as per specifications.				
a	20mm dia pipe	M	22.50		
b	25mm dia pipe	M	13.50		

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41	Pr ding and fixing white / colour vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers,C.I / M.S brackets,32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required. Including cost of all materials, labour complete as per specifications.	Unit	1.00		
42	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackts, fixed to wooden cleats with C.P.brass screws including cost of materials, labour complete as per specifications.	Unit	1.00		
43	Providing and fixing 1500x450mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.	Unit	1.00		
44	Providing and fixing in position brass gate valve with C.I Wheel of approved quality (screwed end) 32mm nominal bore including cost of all materials, labour and HOM of equipments with all specifications.	each	1.00		
45	Concealed Coduit system-supplying ....mm dia..... Mm thick heavy guage PVC conduit pipe with suitable size bends, metal junction boxes, adhesive paste etc. and running before concreting the slabs. The conduit should be tied to the reinforcement rods by using binding wire and unused ways of junction boxes and pipe ends should be covered using PVC and enclosures and run with 18 SWG GI fish wire wherever necessary. a) 25mm dia 2mm thick	Rmtr	25.00		
46	Groove cutting in the wall supplying..... Mm dia .....mm thick heavey guage PVC conduit pipe with bends, metal junction boxes, adhesive paste etc., and bracing U of J hooks and cement plastering upto the surface and brick level and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.The end of the conduit should be terminated with pvc end bushes. a) 25 mm dia 2mm Thick	Rmtr	18.00		
47	Point wiring using copper wire with switch supplying and wiring adopting loop system in existing pvc conduit/casing caping using COPPER PVC insulated multi strand 2*1.55qmm copper wire with a6a mps flush type SP control switch shall be fixed on the exisiting plastic sheet/gang box,the other end of the wites shall be terminated with sufficient loose length in a wood/pvc round block.complete for each outlet. 1.point wiring using class A materials				
a	short point upto 3mtr from tapping point to out let via switch	each	2.00		

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b	m .um point above 3 mtr upto 6mtr from tapping point to out let via switch	each	2.00		
c	long point above 6mtr upto 10 mtr from tapping point to out let via switch	each	4.00		
48	Supplying and flush mounting teak wooden box without from plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonary patchwork complete a) 8"x6"x3" (203* 152* 76* mm)	Each	2.00		
49	Wiring for lighting/power circuit using one of pvc insulated 110v grade multistrand copper conductor single core cable in open or consealed system of wiring.(9/20)(Make:FINOLE, RRKABLE, POLYCAB, HAVELLS, ANCHOR, V-GUARD)				
a	1.5 Sqm	Rmtr	40.00		
b	2.5 Sqm	Mtr	55.00		
50	Supplying 6A flush/ Projected type socket and a 6 amps flush/projected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. a)6AMps 3/5Way	Each	2.00		
51	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches etc and fixing on Existing wooden or metal box using N.F Screws.	Smtr	200.00		
52	Extra for supplying 4mm thick white platic plate and covering for junction boxes or size ..mm conduit using necessary machine screw a) 80 mm	Each	2.00		
53	Supplying and fixing miniature circuit breakers on existing MCB disribution boards using necessary fixing materials and wiring complete as required. Make: STANDARD, INDO ASIAN , C & S. HAVELLS) a) 5-32 Amps DP	each	1.00		
54	Supply box type fluorescent tube light fitting of 4-36/40 watts fluorescent tube fitting, made out of MS sheet and stove enameled with low loss open construction copper would ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fullywired for use on 23 volts AC supply including fluorescent tube. Group A 1x4'-36/40 watts	each	4.00		

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No Corrections. Sd/-

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55	F. ng all type and all capacities fluorescent/ false ceiling / spot light CFL fittings indoor on the wall / ceiling / rafters/girders using 23/0.0076" twin twisted PVC insulated wires, required no's of round block and clamps (if required) a) On wall / ceiling / rafter / Girders	each	4.00		
56	supplying Capacitor type ceiling fan complete with down rod blades, shackle, canopies etc.. For operation on 230 volts, 50 cycles.single phase AC supply confirming to ISS-374-1979 and with double ball bearing system.(P-23, I-23-I-a)-1 48" sweep (1200mm) a)Regular model (khaitan, Crompton Greaves, Orient,polar, Bajaj, Usha, Havells, Almonard)	each	2.00		
57	Fixing a ceiling fan / wall mounting fan of all capacities and all types with necessary clamps and S hook made out of 15 mm dia MS rod with 5amps ceiling rose of approved quality with necessary length of 23/0.0077" pvc insulated twin twisted copper wire of approved quality with regulator mounted on a suitable size wooden board and wiring completely.	each	2.00		
58	Supplying and fixing of backlite D.P / Socket /switch with /without neon indicator over existing wood board or flush mounting in plastic plates/nitches. (6/13)- Using Group 'A' material. A) Electronic stepped Regulator.	each	1.00		
59	Suppling and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc. complete as per specifications.	each	1.00		

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No 1 Corrections Nil

D-1-5 is Approved.

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Executive Engineer,
Dasarahalli Division,